504922079 05/18/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4968825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YINGMING LIU	01/03/2018
XUE DONG	01/03/2018
HAISHENG WANG	01/03/2018
XIAOLIANG DING	01/03/2018
RUI XU	01/03/2018
CHANGFENG LI	01/03/2018
LIGUANG DENG	01/03/2018
YUZHEN GUO	01/03/2018

RECEIVING PARTY DATA

Name:	BOE TECHNOLOGY GROUP CO., LTD.
Street Address:	NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15982261

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: asuazo@nathlaw.com

Correspondent Name: NATH, GOLDBERG & MEYER

Address Line 1: 112 S. WEST ST. Address Line 2: 35640U_JBG/ALS

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 35640U	
NAME OF SUBMITTER:	JOSHUA B. GOLDBERG
SIGNATURE:	/Joshua B. Goldberg/

PATENT REEL: 045848 FRAME: 0362

DATE SIGNED:	05/17/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 16	
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PATENT REEL: 045848 FRAME: 0363

**	
Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: The attached application, or
	United States application or PCT international application number
The above-	dentified application was made or authorized to be made by me.
believe that in the applic	at I am the original inventor or an original joint inventor of a claimed invention eation.
1 *	knowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) with.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSFER to <u>BOE TECHNOLOGY GROUP CO., LTD.</u>, having a place of business at <u>No.10 Jiuxianqiao Rd., Chaoyang District, Beijing, 100015, P.R. China</u> (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest for the United States and all foreign countries in and to any and all inventions which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to <u>GN 201710807058.0</u> filed on <u>8 September 2017</u>; which in turn claims priority to <u>filed on</u> ; such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be

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COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignec.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of NATH, GOLDBERG & MEYER, Customer No. 20529 the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

LEGAL NAI	ME OF INVENTOR	
Inventor: 그	Yingming LIU	Date: JAN. 3. 248
Signature: _	Yogaing LIU	

Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: The attached application, or
	United States application or PCT international application numberfiled on
The above-	dentified application was made or authorized to be made by me.
I believe that in the applic	at I am the original inventor or an original joint inventor of a claimed invention eation.
	knowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) th.

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having a place of	business atN	lo.10 Jiuxiangiao	Rd., Chaoyang District,
Beijing,100015, P.R. (<u>China</u> (hereinafter r	eferred to as "ASS	IGNEE"), the entire right,
title and interest for t	he United States an	d all foreign count	tries in and to any and all
inventions which are	disclosed in the a	bove-identified app	olication for United States
Letters Patent, which h	ias been executed by	the undersigned co	oncurrently herewith, which
claims priority to CN	201710807058.0	filed on 8 Septen	ober 2017; which in turn
claims priority to	filed on		; such applications and all
			ther applications for patent
which have been or sh	all be filed in the Un	nited States and all	foreign countries on any of
such inventions; all or	riginal and reissued	patents which have	been or shall be issued in
the United States and	all foreign countries	on such inventions	; and specifically including
			ny convention or treaty and
claim priority based or		-	•
	i such application in	me omico states,	

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STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

LEGAL NAME OF INVENTOR	
Inventor: Xue DONG Date: 741/1.3.20/8	
Signature: Xue 2014 6	

Title of Invention	
As a below named	inventor, I hereby declare that:
This declaration	
is directed to:	▼ The attached application, or
	United States application or PCT international application numberfiled on
The above-identified	application was made or authorized to be made by me.
l believe that I am th in the application.	e original inventor or an original joint inventor of a claimed invention
	e that any willful false statement made in this declaration is U.S.C. 1001 by fine or imprisonment of not more than five (5)

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

COTTON A CONTRACTOR OF	A NOTE OF THE A NUMBER OF A SAME	TOTAL PROPERTY OF TAXAL	OOV OROUN OO TEEN
•			OGY GROUP CO., LTD
having a place of	business at N	lo.10 Jiuxiangiao	Rd., Chaoyang District,
Beijing, 100015, P.R.	China (hereinafter re	eferred to as "ASS	IGNEE"), the entire right,
title and interest for	the United States and	d all foreign coun	tries in and to any and all
inventions which are	e disclosed in the al	pove-identified app	olication for United States
Letters Patent, which	has been executed by	the undersigned co	oncurrently herewith, which
alaima muiamitus ta Ch	J 201740007050 0	Clad on C Cantan	about 2017 a relatable to same
ciamis priority to or	4 ZU17 10007030.0 3	med on a septer	<u>nber 2017</u> ; which in turn
		Market and the second s	and the second s
claims priority to	filed on	42.00.207,000.000.000	; such applications and all ther applications for patent
claims priority todivisional, continuing	filed on	, reissue and all of	; such applications and all
claims priority to divisional, continuing which have been or s	filed on g, substitute, renewal, hall be filed in the Un	, reissue and all or nited States and all	_; such applications and all ther applications for patent
claims priority to divisional, continuing which have been or s such inventions; all continuing the continuing that the continu	filed on g, substitute, renewal, hall be filed in the Un original and reissued p	, reissue and all or nited States and all patents which have	; such applications and all ther applications for patent foreign countries on any of been or shall be issued in
claims priority todivisional, continuing which have been or s such inventions; all of the United States and	filed on filed on g, substitute, renewal, hall be filed in the Un priginal and reissued pall foreign countries	, reissue and all of nited States and all patents which have on such inventions	; such applications and all ther applications for patent foreign countries on any of been or shall be issued in a; and specifically including
claims priority todivisional, continuing which have been or s such inventions; all of the United States and the right to file foreign	filed on filed on g, substitute, renewal, hall be filed in the Un priginal and reissued pall foreign countries	, reissue and all of nited States and all patents which have on such inventions the provisions of a	; such applications and all ther applications for patent foreign countries on any of been or shall be issued in

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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be

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-	LEGAL NAME OF INVENTOR	arminos de autorios pantoje, ga pijlenje:	e ferfer (1970), fri 1970 ferfer (1970), fri 1970 ferfer (1970), fri 1970 ferfer (1970), fri 1970 ferfer (1970)	
	Inventor: Haisheng WANG	Date:	JAN.3.	2018
	Signature: Huishon, WANVO			

Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	ration
is directed	to: ☑ The attached application, or
	United States application or PCT international application number filed on
The above-i	dentified application was made or authorized to be made by me.
I believe tha in the applic	at I am the original inventor or an original joint inventor of a claimed invention ation.
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LEGAL NAME OF INVENTOR	
Inventor: Xiaoliang DING	Date: JAN. 3, 2018
Signature: Xiaoliony DINIq	

Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	ration
is directed	to: □ The attached application, or
The above-i	United States application or PCT international application number filed on dentified application was made or authorized to be made by me.
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SELL, ASSIGN	AND TRANSFER to	BOE TECHNO	DLOGY GROUP (CO., LTD.
having a place of				
Beijing,100015, P.R.				
title and interest for				
inventions which ar				
Letters Patent, which				
claims priority to Cl				
claims priority to	filed on	14/44	; such applicati	ions and all
divisional, continuin				
which have been or s				
such inventions; all				
the United States and				
the right to file foreign	gn applications under	the provisions of	any convention o	r treaty and
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LEGAL NAME OF INVENTOR	
Inventor: Rui XU	Date: JAN. 3 , 2 o / 8
Signature: Rui XU	

1	
Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	ation
is directed	to: The attached application, or
The above-l	United States application or PCT international application number filed on dentified application was made or authorized to be made by me.
I believe tha in the applic	t I am the original inventor or an original joint inventor of a claimed invention ation.
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having a place of b	usiness at <u>No.16</u>	0 Jiuxiangiao	Rd., Chaov	ang Distric	t.
Beijing, 100015, P.R. Cl	<u>nina</u> (hereinafter refer	red to as "ASS"	IGNEE"), the	e entire righ	ŧ.
title and interest for the	United States and al	Il foreign count	ries in and t	o anv and a	'n
inventions which are d	isclosed in the above	e-identified app	lication for	United State	25
Letters Patent, which has	s been executed by the	undersigned co	ncurrently he	rewith, whic	h
claims priority to <u>CN 2</u>	<u>201710807058.0</u> filed	on 8 Septem	nber 2017;	which in tur	n
claims priority to	filed on		; such applic	ations and a	11
divisional, continuing, s	ubstitute, renewal, rei	ssue and all otl	her application	ons for pater	nt.
which have been or shall	l be filed in the United	States and all f	foreign count	ries on any c	ı f
such inventions; all orig	inal and reissued pate	nts which have	been or shall	I be issued i	n
the United States and all	foreign countries on s	such inventions:	and specific	ally includin	ş)r
the right to file foreign a	pplications under the	provisions of an	v convention	or treaty an	d
claim priority based on s	uch application in the	United States;	,		

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LEGAL NAME OF INVENTOR	
	Date: JAN.3.2018
Signature: (hangfong 1)	

Docket No. <u>X1710564JZ-35640U</u>

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to:
	United States application or PCT international application numberfiled on
The above-	identified application was made or authorized to be made by me.
believe than	at I am the original inventor or an original joint inventor of a claimed invention cation.
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LEGAL NAME OF INVENTOR	
Inventor: Liguang DENG Date:	JAN.3.248
Signature: Liguary DENG	

p=2	
Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	ration
is directed	to: The attached application, or
The above-i	United States application or PCT international application number filed on identified application was made or authorized to be made by me.
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	knowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) oth.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSFER to BOE TECHNOLOGY GROUP CO., LTD., having a place of business at No.10 Jiuxianqiao Rd., Chaoyang District, Beijing, 100015, P.R. China (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest for the United States and all foreign countries in and to any and all inventions which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to CN 201710807058.0 filed on September 2017; which in turn claims priority to filed on substitute, renewal, reissue and all other applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be

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COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of NATH, GOLDBERG & MEYER, Customer No. 20529 the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part.

LEGAL NAME OF INVENTOR	
Inventor: Yuzhen GUO Date: JAN.3,248	
Signature: Yuzhan 61120	